

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

### Listing of Claims:

1 (previously presented). A collimation device to direct an energy beam in a given direction and at a given solid angle, the collimation device capable of being installed at an output of means for emission of an energy beam and capable of being connected to a control unit, comprising:

means for testing operation of an assembly formed by the means for emission of an energy beam and the collimation device and means for receiving the energy beam;

the means for testing comprising:

means for providing a plurality of test tools; and

means for sensing the position of each test tool.

2 (currently amended). The collimation device according to claim 1 comprising means for calibrating ~~the~~ operating parameters ~~intended to be~~ used by the control unit.

3 (currently amended). The collimation device according to claim 1, wherein the means for testing comprises ~~comprising~~ means for testing the operation of an energy beam emission tube.

4 (currently amended). The collimation device according to claim 2, wherein the means for testing comprises ~~comprising~~ means for testing the operation of an energy beam emission tube.

5 (previously presented). The collimation device according to claim 3 wherein any one of the means for emission or the means for testing or the means for receiving are capable of being commanded by the control unit.

6 (previously presented). The collimation device according to claim 3 wherein any one of the means for emission or the means for testing or the means for receiving are capable of being remote-controlled by a computer at site separate from the site of the collimation device.

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7 (previously presented). The collimation device according to claim 1 wherein the means for sensing is a motion sensor for each tool.

8 (currently amended). A radiology apparatus having:  
means for emission of an energy beam;  
means for reception of the energy beam;  
a control unit; and  
a collimation device, the collimation device comprising:  
means for testing operation of an assembly formed by the means for emission of an energy beam and the collimation device and the means for reception of the energy beam;  
the control unit for providing instructions to the means for testing; and  
the means for testing comprising:  
a plurality of test tools; and  
a sensor ~~of~~ for sensing the position of each test tool.

9 (currently amended). A test kit comprising:  
means for fastening the test kit to a collimation device which directs an energy beam in a given direction and at a given solid angle;  
means for testing the operation of the collimation device;  
means for ~~emission of~~ receiving an energy beam from the collimation device;

a control unit; and  
the means for testing comprising;  
a plurality of test tools with a sensor ~~of~~ for sensing the position of each test tool.

10 (canceled).

11 (canceled).

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12 (canceled).

13 (previously presented). The collimation device of claim 1 wherein the means for testing comprises:

112, 15<sup>b</sup>  
a plurality of elements to test the operating characteristic or parameters of the means for emission or the means for receiving.

112, 15<sup>b</sup>  
14 (previously presented). The collimator device of claim 13 wherein the plurality of elements comprise means for testing spectral quality.

112, 15<sup>b</sup>  
15 (previously presented). The collimator device of claim 13 wherein the plurality of elements comprise means for calibrating radiation dose.

16 (previously presented). The collimator device of claim 13 wherein the plurality of elements comprise means for evaluating image quality.

17 (previously presented). The collimation device of claim 13 wherein the plurality of elements comprise means for blocking the energy beam.

18 (previously presented). The collimation device of claim 13 wherein the plurality of elements comprise means for permitting the energy beam to be transmitted through at least one of the elements.

19 (previously presented). The collimation device of claim 13 wherein the plurality of elements comprise means for providing a phantom for evaluating image quality.

20 (previously presented). The collimation device of claim 1 wherein the means for testing is integrated with the collimation device.

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21 (currently amended). The collimation device of claim 1 wherein the means for testing is ~~separate~~ separable from the collimation device.

22 (previously presented). The collimation device of claim 1 wherein the means for testing comprises means for securing the means for testing to the device.

23 (previously presented). The collimation device of claim 1 wherein the control unit is connected to the device by a wire.

24 (previously presented). The collimation device of claim 1 wherein the control unit is not connected to the device by a wire.

25 (previously presented). The collimation device of claim 1 wherein the means for testing comprises:

a disk having a plurality of zones, each zone comprising a test tool.

26 (previously presented). The collimation device of claim 25 wherein the plurality of zones comprises at least seven test tools

27 (previously presented). The collimation device of claim 14 wherein the means for testing spectral quality comprises:

a metal plate of a given thickness.

28 (previously presented). The collimation device of claim 15 wherein the means for calibrating radiation dose comprises:

at least two metal plates of different thicknesses.

29 (previously presented). The collimation device of claim 16 wherein the means for evaluating image quality comprises two phantoms of differing characteristics.

30 (previously presented). The collimation device of claim 17 wherein the means for blocking comprises a plate of a heavy metal.

31 (previously presented). The collimation device of claim 18 wherein the means for permitting the energy beam to be transmitted comprises the absence of a test tool element.

32 (currently amended). The collimation device of claim 13 wherein the ~~plurality of elements~~ means for testing comprises:

a rotatable cylinder having on the periphery thereof the plurality of elements.

[[34]] 33 (previously presented). The collimation device of claim 13 wherein the plurality of test elements comprises:

a plurality of plates hinged at a common pivot and selectively inserted in the energy beam.

[[35]] 34 (previously presented). The collimation device of claim 13 wherein the plurality of test elements comprises a pair of adjacent one-half parallelepiped blocks, the blocks being of a radiation absorbing material.

[[36]] 35 (currently amended). The test kit of claim 9 wherein the means for testing comprises:

a plurality of elements to test ~~the~~ an operating characteristic or parameters of ~~the means for an~~ emission of the energy beam ~~or the means for receiving.~~

[[37]] 36 (currently amended). The test kit of claim 9 wherein the plurality of ~~elements~~ test tools comprise means for testing spectral quality.

B<sup>2</sup> [[38]] 37 (currently amended). The test kit of claim 9 wherein the plurality of ~~elements~~ test tools comprise means for calibrating radiation dose.

[[39]] 38 (currently amended). The test kit of claim 9 wherein the plurality of ~~elements~~ test tools comprise means for evaluating image quality.

[[40]] 39 (currently amended). The test kit of claim 9 wherein the plurality of ~~elements~~ test tools comprise means for blocking the energy beam.

[[41]] 40 (currently amended). The test kit of claim 9 wherein the plurality of ~~elements~~ test tools comprise means for permitting the energy beam to be transmitted through at least one of the elements.

[[42]] 41 (currently amended). The test kit of claim 9 wherein the plurality of ~~elements~~ test tools comprise means for providing a phantom for evaluating image quality.

[[43]] 42 (previously presented). The test kit of claim 9 wherein the control unit is connected to the device by a wire.

[[44]] 43 (previously presented). The test kit of claim 9 wherein the control unit is not connected to the device by a wire.

[[45]] 44 (previously presented). The test kit of claim 9 wherein the means for testing comprises:

a disk having a plurality of zones, each zone comprising a test tool.

[[46]] 45 (currently amended). The test kit of claim [[45]] 44 wherein the plurality of zones comprises at least seven test tools

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[[47]] 46 (currently amended). The test kit of claim [[37]] 36 wherein the means for testing spectral quality comprises:

a metal plate of a given thickness.

[[48]] 47 (currently amended). The test kit of claim [[38]] 37 wherein the means for calibrating radiation dose comprises:

at least two metal plates of different thicknesses.

[[49]] 48 (currently amended). The test kit of claim [[39]] 38 wherein the means for evaluating image quality comprises two phantoms of differing characteristics.

[[50]] 49 (currently amended). The test kit of claim [[40]] 39 wherein the means for blocking comprises a plate of a heavy metal.

[[51]] 50 (currently amended). The test kit of claim [[41]] 40 wherein the means for permitting the energy beam to be transmitted comprises the absence of a test tool element.

[[52]] 51 (currently amended). The test kit of claim [[36]] 35 wherein the ~~plurality of elements~~ means for testing comprises:

a rotatable cylinder having on the periphery thereof the plurality of elements.

<sup>52</sup> ~~53~~ [[53]] (currently amended). The test kit of claim [[36]] 35 wherein the plurality of test elements comprises:

a plurality of plates hinged at a common pivot and selectively inserted in the energy beam.

B<sup>2</sup> [[54]] 53 (currently amended). The test kit of claim [[36]] 35 wherein the plurality of test elements comprises a pair of adjacent one-half parallelepiped blocks, the blocks being of a radiation absorbing material.

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